

# CONDUCTORS & INSULATORS

What is a **conductor**? It is a material which heat or electricity flows easily through.

What is an **insulator**? It is a material which heat or electricity does not flow easily through.

Hypothesis:

Put a check next to the objects that you think will be good conductors.

\_\_\_\_\_ nail      \_\_\_\_\_ lemon      \_\_\_\_\_ paperclip      \_\_\_\_\_ eraser

\_\_\_\_\_ fork      \_\_\_\_\_ soap      \_\_\_\_\_ magnet      \_\_\_\_\_ penny

\_\_\_\_\_ nickel      \_\_\_\_\_ marble      \_\_\_\_\_ crayon      \_\_\_\_\_ thumbtack

## Experiment:

Test each object using the circuit. To test, hold the wires so that they each touch the object. Look to see if the light bulb lights up. If it does, it is a conductor. If it does not light up, it is an insulator.

Record:

[illegible]

**Conclusion:**

What do all of the objects that are conductors have in common?

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Using this information, name two more objects that would be good conductors.

1. \_\_\_\_\_

2. \_\_\_\_\_

Nice Job!  
YOU ARE A SUPER SCIENTIST!